**Abstract**

In connection-oriented switching of packet data in known mobile communications systems, resources of the transmission path between the serving node (SGSN) and the radio network subsystem (RNS) and memory resources of the radio network subsystem are reserved unnecessarily due to the burst-like nature of packet data. Thus the transmission network's limited address space and the radio network subsystem's management resources are consumed. The invention concerns such connection management in a mobile communications system, which is suitable for packet-switched data transmission. The method according to the invention is characterized in that the logical connection between the serving node (SGSN) and the radio network subsystem (RNS) is released, so that the logical connection between the serving node (SGSN) and the mobile station (MS) remains, and the released logical connection is reconnected, when relaying of user data starts.

(Fig. 5)